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	1	Document ID	Issue Date	Title	Current OR	Inventor	2
1		US 20040021685 A1	20040205	Systems and methods for filtering and/or viewing collaborative indexes of recorded media	345/721	Denoue, Laurent et al.	
2		US 20030225832 A1	20031204	Creation and editing of multimedia documents in a multimedia collaboration system	709/204	Ludwig, Lester F.	
3		US 20030187940 A1	20031002	Teleconferencing employing multiplexing of video and data conferencing signals	709/206	Ludwig, Lester F. et al.	
4		US 20030158901 A1	20030821	UTP based video conferencing	709/205	Ludwig, Lester F. et al.	
5		US 20020154210 A1	20021024	VIDEOCONFERENCING HARDWARE	348/14.08	LUDWIG, LESTER F. et al.	
6		US 20020124051 A1	20020905	Marking and searching capabilities in multimedia documents within multimedia collaboration networks	709/204	Ludwig, Lester F. et al.	

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
7		US 20020091768 A1	20020711	System and method for threading heterogenous communications in collaborative process contexts	709/204	Balasubramanian, Vasant	
8		US 20020089537 A1	20020711	System and method for threading heterogenous communications in collaborative process contexts	345/751	Balasubramanian, Vasant	
9		US 20020059342 A1	20020516	ANNOTATING TEMPORALLY-DIMENSIONED MULTIMEDIA CONTENT	715/512	GUPTA, ANOOP et al.	
10		US 20010044826 A1	20011122	Dedicated echo canceler for a workstation	709/204	Ludwig, Lester F. et al.	
11		US 20010001864 A1	20010524	Trackpoint-based computer-implemented systems and methods for facilitating collaborative project development and communication	709/205	Page, John D. et al.	
12		US 6594688 B2	20030715	Dedicated echo canceler for a workstation	709/204	Ludwig; Lester F. et al.	

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
13		US 6583806 B2	20030624	Videoconferencing hardware	348/14.08	Ludwig; Lester F. et al.	
14		US 6546405 B2	20030408	Annotating temporally-dimensioned multimedia content	715/512	Gupta; Anoop et al.	
15		US 6437818 B1	20020820	Video conferencing on existing UTP infrastructure	348/14.09	Ludwig; Lester F. et al.	
16		US 6426769 B1	20020730	High-quality switched analog video communications over unshielded twisted pair	348/14.08	Ludwig; Lester F. et al.	
17		US 6370562 B2	20020409	Trackpoint-based computer-implemented systems and methods for facilitating collaborative project development and communication	709/204	Page; John D. et al.	
18		US 6351762 B1	20020226	Method and system for log-in-based video and multimedia calls	709/204	Ludwig; Lester F. et al.	

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
19		US 6343314 B1	20020129	Remote participant hold and disconnect during videoconferencing	709/204	Ludwig; Lester F. et al.	
20		US 6237025 B1	20010522	Multimedia collaboration system	709/204	Ludwig; Lester F. et al.	
21		US 6212549 B1	20010403	Trackpoint-based computer-implemented systems and methods for facilitating collaborative project development and communication	709/205	Page; John D. et al.	
22		US 6212547 B1	20010403	UTP based video and data conferencing	709/204	Ludwig; Lester F. et al.	
23		US 6105055 A	20000815	Method and apparatus for asynchronous multimedia collaboration	709/204	Pizano; Arturo et al.	
24		US 5978835 A	19991102	Multimedia mail, conference recording and documents in video conferencing	709/204	Ludwig; Lester F. et al.	
25		US 5915091 A	19990622	Synchronization in video conferencing	709/204	Ludwig; Lester F. et al.	

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
26		US 5896500 A	19990420	System for call request which results in first and second call handle defining call state consisting of active or hold for its respective AV device	709/204	Ludwig; Lester F. et al.	
27		US 5884039 A	19990316	System for providing a directory of AV devices and capabilities and call processing such that each participant participates to the extent of capabilities available	709/227	Ludwig; Lester F. et al.	
28		US 5867654 A	19990202	Two monitor videoconferencing hardware	709/204	Ludwig; Lester F. et al.	
29		US 5854893 A	19981229	System for teleconferencing in which collaboration types and participants by names or icons are selected by a participant of the teleconference	709/204	Ludwig; Lester F. et al.	

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
30		US 5802294 A	19980901	Teleconferencing system in which location video mosaic generator sends combined local participants images to second location video mosaic generator for displaying combined images	709/204	Ludwig; Lester F. et al.	
31		US 5758079 A	19980526	Call control in video conferencing allowing acceptance and identification of participants in a new incoming call during an active teleconference	709/204	Ludwig; Lester F. et al.	
32		US 5689641 A	19971118	Multimedia collaboration system arrangement for routing compressed AV signal through a participant site without decompressing the AV signal	709/241	Ludwig; Lester F. et al.	

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33		US 5617539 A	19970401	Multimedia collaboration system with separate data network and A/V network controlled by information transmitting on the data network	709/205	Ludwig; Lester F. et al.	
34		NN9509425	19950901	Collaborative Multimedia Annotation using a Centralized Document Server			
35		NN9508167	19950801	Amortizing Multimedia Annotation Transmission Times Over a Collaborative Session			

	1	Document ID	Issue Date	Title	Current OR	Inventor	2
36		US 200400216 85 A	20040205	Multimedia annotations collaborative index filtering and viewing method, involves obtaining index of annotations of multimedia to associate annotations with portions of multimedia, and displaying high value annotations		CHIU, P et al.	

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1	US 20040088376 A1	20040506	Transaction accelerator for client-server communication systems	709/219	McCanne, Steven et al.	
2	US 20040003046 A1	20040101	System and methods for providing instant services in an internet protocol network	709/206	Grabelsky, David et al.	
3	US 20030208601 A1	20031106	System and method for session control in a mobile internet protocol network	709/227	Campbell, Edward P. et al.	
4	US 20030135556 A1	20030717	Selection of communication strategies for message brokers or publish/subscribe communications	709/206	Holdsworth, Simon A. J.	
5	US 20030115317 A1	20030619	Selection of communication protocol for message transfer based on quality of service requirements	709/224	Hickson, Andrew I. et al.	
6	US 20030097410 A1	20030522	Methodology for enabling multi-party collaboration across a data network	709/206	Atkins, R. Travis et al.	

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14	US 5802391 A	19980901	Direct-access team/workgroup server shared by team/workgrouped computers without using a network operating system	710/2	Hwang; Ivan Chung-Shung	
15	US 5751338 A	19980512	Methods and systems for multimedia communications via public telephone networks	348/14.12	Ludwig, Jr.; Lester Frank	
16	US 5630184 A	19970513	Method of deleting and adding nodes in a spanning tree network by collating replies from other nodes	709/221	Roper; Michael I. et al.	
17	WO 9959337 A1	19991118	VIDEO-CONFERENCING SYSTEM WITH VIDEO EDITING		PARISH, CRAIG	
18	NN9507335	19950701	Hypermedia Documents using a Server in a Collaborative Session			